

## Mouse Neurotensin (NT) ELISA Kit | NT elisa kit

Mouse Neurotensin (NT)(Competitive EIA) ELISA Kit

|                               |                            |                              |
|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA189518</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

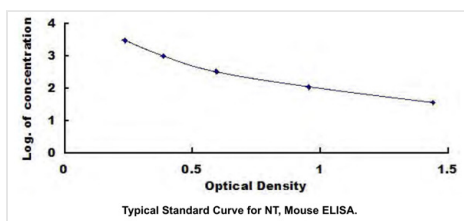
### PRODUCT SYNONYMS

Neurotensin (NT); Mouse Neurotensin (NT)(Competitive EIA) ELISA Kit; ELISA Kit for Neurotensin (NT); NT/Neurotensin; NTS; NTS1; NmN-125; NN; Tail peptide Neuromedin N; NT elisa kit

### PRODUCT SPECIFICATIONS

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                               | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity                              | This assay has high sensitivity and excellent specificity for detection of NT. No significant cross-reactivity or interference between NT and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                       |
| Assay Type                               | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Samples                                  | Mouse serum, plasma and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Detection Range                          | 37.0-3,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sensitivity                              | < 14.9pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for NT elisa kit | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Intra-assay Precision                    | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                                                                                                        |
| Inter-assay Precision                    | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage                  | Store at 4 degree C for 1 month/ -20 degree C for long-term (within shelf life).<br>The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for NT elisa kit | <p>Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to NT has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled NT and unlabeled NT (Standards or samples) with the pre-coated antibody specific to NT. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of NT in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of NT in the sample.</p> <p>Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of NT in mouse serum, plasma and other biological fluids.</p> |
| Product Categories/Family for NT elisa kit   | Developmental science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 13277358                                   |
| NCBI GeneID                      | 67405                                      |
| NCBI Accession #                 | NP_077755.1                                |
| NCBI GenBank Nucleotide #        | NM_024435.2                                |
| UniProt Accession #              | Q9D3P9                                     |
| Molecular Weight                 | 19,608 Da                                  |
| NCBI Official Full Name          | neurotensin/neuromedin N                   |
| NCBI Official Synonym Full Names | neurotensin                                |
| NCBI Official Symbol             | Nts                                        |
| NCBI Official Synonym Symbols    | NN; NT; NT/N; NTS1; NMN-125; 5033428E16Rik |
| NCBI Protein Information         | neurotensin/neuromedin N                   |
| UniProt Protein Name             | Neurotensin/neuromedin N                   |
| UniProt Gene Name                | Nts                                        |
| UniProt Synonym Gene Names       | NN; NmN; NT                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/neurotensin-nt/189518>